# Technology Readiness Levels

Links to information about Technology Readiness Levels (TRLs) and similar, alternative measures of technology maturity.

- NASA TRL White Paper
  A 5-page white paper (in PDF format) describing NASA's Technology Readiness Levels.
- NASA TRL Definitions
  A 1-page PDF format document defining NASA's Technology Readiness Levels.
- NASA TRLs for Software
  Technology Readiness Levels Applied to Software, Appendix II of 2008 NASA Software of the Year Summary Evaluation Document (p20).
- Technology Readiness Assessments for IT and IT-Enabled Systems
  Based on Department of Defense work, a 6-page PDF article describing a Technology Readiness Assessment procedure, which contains TRLs similar to NASA's.
- OPEN Process Framework's Technology Readiness Assessment
  A web page describing a process where critical elements are identified before assessing their TRLs, it includes definitions of TRLs for both new and reused critical technologies.
- Alternative to TRLs for Non-Developmental Item (NDI) Software
  An 8-page conference proceedings article (in PDF format) describing an equivalent of TRLs designed for products like commercial off-the-shelf (COTS), government off-the-shelf (GOTS), and open source software (OSS).
- ImpACT: Alternative to TRLs for COTS Software
  An alternative to TRLs designed for commercial off-the-shelf software, ratings are based on the attributes of importance, availability, capability, and timeframe.
- Using the TRLs Scale to Support Technology Management in the DoD's ATD/STO
  A 41-page report (in PDF format) containing definitions of TRLs based on Department of Defense work and Army work.
- Business Readiness Rating for Open Source
  A 22-page white paper describing an alternative to TRLs designed for use with open source software, evaluating products in areas including functionality, usability, quality, security, performance, scalability, architecture, support, documentation, adoption, community, and professionalism.
- TRL Calculator Description
  A PowerPoint presentation describing a Technology Readiness Level calculator.
- TRL Calculator
  This version of the TRL calculator combines the two previous versions for hardware and software into a single product. Documentation has been expanded to include links to many background resources, and a standard format is used for all calculators. The latest version includes manufacturing.